







Assessment Summary

| | |
|--|--|
| Big Reedy Creek 0 to 12.5 KY487231_01 |  <p>This part of the stream partially supports aquatic life, does not support swimming (Primary Contact Recreation).</p> |
| Mouth to West Fork of Big Reedy Creek | |
| Butler County, Green River Basin | |
| HUC 05110001 | |
| Assessment Date: 5/30/2013 | |

| Use | Cause of Impairment | Suspected Source(s) of Impairment | Basis for Listing | Data Collection and Analysis Methods ^{1,2,3} |
|---|--|--|--|---|
|  (5-NS) | Fecal Coliform | Source Unknown | Concentrations exceeded the water quality standard | Pathogen Monitoring, Qualitative (Evaluated) Assessment |
|  (5-PS) | Benthic-Macroinvertebrate Bioassessments | Agriculture, Loss of Riparian Habitat, Non-Point Source | Man-made or man-induced alteration of the chemical, physical (e.g. habitat), biological, and radiological integrity of water | Biological Monitoring, Habitat Assessment, Physical/Chemical Monitoring |
|  (5-PS) | Habitat Assessment (Streams) | Agriculture, Loss of Riparian Habitat, Non-Point Source | Man-made or man-induced alteration of the chemical, physical (e.g. habitat), biological, and radiological integrity of water | Biological Monitoring, Habitat Assessment, Physical/Chemical Monitoring |
|  (5-PS) | Oxygen, Dissolved | Agriculture, Loss of Riparian Habitat, Non-Point Source | Concentrations did not meet the water quality standard | Biological Monitoring, Habitat Assessment, Physical/Chemical Monitoring |
|  (5-PS) | Sedimentation/Siltation | Crop Production (Crop Land or Dry Land), Habitat Modification - other than Hydromodification | Sediment deposition is negatively affecting the aquatic community (e.g. habitat smothering) and/or recreation | Biological Monitoring, Habitat Assessment, Physical/Chemical Monitoring |

¹ Data locations: Physical/chemical monitoring data and pathogen data can be found on the EPA Water Quality Portal; chemical monitoring data for regulated facilities (e.g. wastewater and drinking water) can be found in the EPA ECHO database (online); biological monitoring summary scores and habitat assessment scores can be found in the EPA STORET database (online); and raw community species data and fish tissue analysis data are available on request through KDOW Open Records (expected in STORET 2015).

² Data Source(s): KDOW

³ Data Collection Date(s): 9/13/2011

KDOW cannot ensure that this information is accurate, current, or complete. The information provided in this document is for informational purposes only, is subject to revision or correction at anytime and cannot be relied upon for regulatory or other purposes. This is not an official document. For questions or comments contact KDOW at water@ky.gov or 502-564-3410